

- THOMSON, J. J. Recent Researches in Electricity and Magnetism, Sections 369-379.
- TYNDALL. On Light, pp. 152-162.
- SMITH. Optics, II, Remark 378.
- (D) *Miscellaneous Histories:*  
Other references, interesting mainly from the historical point of view, and which I have been personally unable to consult, are:  
 LEONARDO DA VINCI. Tratto della pittura.  
 GOTHE. Farbenlehre, I, p. 59.  
 MELVILLE. Edinb. Phys. and Lit. Essays, pp. 81-89, 1770.  
 HONORATUS FABRI. Optical Essays.  
 BOUGUER. Traité d'Optique, pp. 365-368.  
 ABBE NOLLET. Leçons de Physique, II, p. 17, 1765.  
 YOUNG. Nat. Phil. II.  
 BREWSTER. Treatise on New Philosophical Instruments. Edinb., 1813, p. 349.  
 DELEZENNE. Recueil des Travaux de la Soc. de Lille. 1825.  
 A. B. FRANCESCO ZANTEDESCHI. Raccolta fisico-chimica italiana. I. fas. 10, p. 429, 1846.  
 CORNU. Rochelle meeting of the French Assoc. Adv. Science, 1882, p. 253.  
 WALKER. Quarterly Journ. Math., 30, pp. 204-220, 1898.  
 SORET. Arch. des Sciences phys. et nat. de Genève, 37, p. 129; 48, p. 231; 50, p. 243.  
 GUEBARD. Bull. Fr. Phys. Soc., 131, pp. 5-6, 1899.

#### MEXICAN CLIMATOLOGICAL DATA.

Through the kind cooperation of Señor Manuel E. Pastrana, Director of the Central Meteorologic-Magnetic Observatory the monthly summaries of Mexican data are now communicated in manuscript, in advance of their publication in the Boletín Mensual. An abstract, translated into English measures, is here given, in continuation of the similar tables published in the MONTHLY WEATHER REVIEW since 1896. The barometric means have not been reduced to standard gravity, but this correction will be given at some future date when the pressures are published on our Chart IV.

*Mexican data for September, 1900.*

Stations.	Altitude.	Mean barometer.	Temperature.			Relative humidity.	Precipitation.	Prevailing direction.	
			Max.	Min.	Mean.			Wind.	Cloud.
Durango (Seminario).	6,245	24.07	87.8	50.0	64.4	60	4.30	ene.	se.
Leon (Guanajuato)...	5,984	24.33	82.6	53.4	67.5	67	2.23	sse.	e.
Mazatlan .....	25	29.86	92.8	72.7	83.3	80	14.18	nw.	se.
Merida .....	50	29.99	95.0	78.8	81.5	80	1.50	ne.	e.
Mexico (Obs. Cent.)	7,472	23.08	77.0	50.0	62.8	68	2.51	n.	ne.
Morelia (Seminario)...	6,401	23.99	78.8	51.8	63.9	80	3.22	e.	e.
Puebla (Col. Cat.)...	7,112	23.37	77.0	51.8	65.7	81	8.09	e.	sw.
Saltillo (Col. S. Juan)...	5,899	24.83	83.3	56.1	69.6	78	4.46	n.	s.

#### RECENT PAPERS BEARING ON METEOROLOGY.

W. F. R. PHILLIPS, in charge of Library, etc.

The subjoined list of titles has been selected from the contents of the periodicals and serials recently received in the library of the Weather Bureau. The titles selected are of papers or other communications bearing on meteorology or cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled; it shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau:

- National Geographic Magazine. Washington. Vol. 2.  
 Garriot, E. B. West Indian Hurricane, September 1-12, 1900. P. 384.
- Nature. London. Vol. 62.  
 Marshall, A. Atmospheric Electricity and Dew-point. P. 495.
- La Géographie. Paris. Année 1900.  
 Engel. Le climat de la Suède, d'après Ekholm. P. 199.
- Science. New York. Vol. 12.  
 Fergusson, S. P. Progress in Meteorological Kite Flying. P. 521.
- Philosophical Magazine. London. Vol. 50.  
 Barnard, R. J. A. Annual March of Temperature. P. 408.
- Geographical Journal. London. Vol. 16.  
 Borchgrevink, C. E. The "Southern Cross" Expedition to the Antarctic. 1899-1900. P. 381.
- Das Wetter. Berlin. 17 Jahrg.  
 Brückner, E. Ueber den Einfluss der Schneedecke auf das Klima der Alpen. P. 193.
- Schubert, J. Der Einfluss der Wälder auf das Klima. P. 209.
- Comptes Rendus. Paris. Tome 131.  
 Mathias, E. Sur la distribution de la composante horizontale du magnétisme terrestre en France. P. 554.
- Comptes Rendus. Paris. Tome 131.  
 Guarini et Poncelet. Télégraphie sans fil avec répétiteurs. Inconvénients des relais successifs Guarini. P. 581.
- Nederlandsch Tijdschrift voor Meteorologie. Groningen. 1 Jahrg.  
 Kiehl, A. H. Poollicht. P. 49.
- Buijsman. Het klimaat en de planetengroei van Canada. P. 51.
- Mieden van Opmeer, J. P. F. van der. Het Ontstaan van Onwedges. P. 57.
- Scientific American Supplement. New York.  
 Cline, I. M. Special Report on the Galveston Hurricane of September 8, 1900. P. 20756.
- Meteorologische Zeitschrift. Wien. Band 17.  
 Kremster, V. Klimatische Verhältnisse des Memel-, Pregel- und Weichsel-Gebietes. P. 337.
- Muttrich, —. Ueber den Einfluss des Waldes auf die Lufttemperatur nach den in Eberswalde an verschiedenen aufgestellten Thermometern gemachten Beobachtungen. P. 356.
- Rudel, K. Zur Frage des Auftretens der Eismänner in Bayern. P. 373.  
 — Resultate der meteorologischen Beobachtungen in Punta Arenas. P. 375.
- Bornstein, R. Gewitterbeobachtungen bei einer Ballonfahrt. P. 377.
- Ihne, —. Ueber Abhängigkeit des Frühlingseintritts von der geographischen Breite in Deutschland. P. 378.
- Mac Dowall, —. Ueber die Frage einer 10 jährigen Wetterperiode. P. 381.
- P. H. Ueber den Kugelblitz. P. 382.
- Pernter, J. M., und Trabert, W. Untersuchungen über das schiessen. P. 385.
- Völle, J. Aktinometer-Beobachtungen während der Sonnenfinsterniss vom 28 Mai 1900. P. 415.
- Krammer, H. Hagelkörner von eigenthümlicher Form. P. 417.
- Maier, M. Temperaturbeobachtungen bei der am 28 Mai 1900 stattgefundenen Sonnenfinsterniss. P. 417.
- Rudolph, H. Die Entstehung der Sonnenflecken. P. 418.  
 — Klima der Schneekoppe. P. 419.
- Bauernberger, H. Leuchtende Nachtwolken? P. 419.
- Bornstein, R. Gibt es eine Beziehung zwischen Luftdruckvertheilung und Monddeklination? P. 420.
- Taudin-Chabot, J. J. Drei Beobachtungen über die Plasticität des Eises. P. 425.
- Taudin-Chabot, J. J. Grünstrahlung. P. 426.  
 — Grüner Strahl beim Venus-Untergang. P. 426.
- Geitel, H. Eine Vorrichtung zur Demonstration von Luftwogen. P. 426.  
 — Änderung des Erdmagnetismus mit der Höhe. P. 427.

#### OBSERVATIONS FOR LOCAL THUNDERSTORMS AT SKYLAND, PAGE COUNTY, VA., SEPTEMBER, 1900.

By Messrs. W. H. and H. S. CRAGIN.

- September 1.—8 a. m., 70°; 3 p. m., 81°; 9 p. m., 70°. Fair and slightly warmer, with light east winds.
- September 2.—8 a. m., 70°; 3 p. m., 78°; 8 p. m., 67°. Fair and not so warm; light east winds, becoming high at night.
- September 3.—8 a. m., 67°; 1 p. m., 76°; 8 p. m., 70°. Partly cloudy, with light east winds, becoming northwest at night. There was a little rain early in the morning of the 4th.